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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/571,502

03/10/2006

Hans Jurgen Neuhaus

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EXAMINER

AJIBADE AKONAI, OLUMIDE

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/571,502	<b>Applicant(s)</b> NEUHAUS, HANS JURGEN	
	<b>Examiner</b> OLUMIDE T. AJIBADE AKONAI	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 10 March 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 15-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 15-18 and 24-28 is/are rejected.
- 7) ☒ Claim(s) 19-23 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 March 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>03/10/2006</u> .  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Claim Objections*

1. Claims 19-23 are objected to under 37 CFR 1.75(c) as being in improper form because they depend on cancelled claims 1 and 5 See MPEP § 608.01(j). Accordingly, the claims 19-23 have not been further treated on the merits.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 15-18, and 24-28 are rejected under 35 U.S.C. 102(e) as being anticipated by **Hutchison, IV et al 6,839,570 (hereinafter Hutchison)**.

Regarding **claim 15**, Hutchison discloses an interface between a SIM card and a GSM modem (130B, see figs. 1 and 2A, col. 5, lines 12-20) comprising: a bidirectional data line that connects a card data input/output of the SIM card to a modem data input/output of the GSM modem (data line 212, see fig. 2A, col. 6, lines 59-64), wherein the data line is coupled to at least one edge driver (214, see fig. 2A, col. 6, lines 55-64).

Regarding **claim 24**, Hutchison discloses a method for bidirectional data transmission between a SIM card (122, see figs. 1 and 2A, col. 4, line 60) and a GSM modem (modem 120, see figs. 1 and 2A, col. 4, line 63) wherein the bidirectional data

transmission takes place without the use of a control signal for the data direction on a data line that connects the SIM card and the GSM modem (data line 212, see fig. 2A, col. 6, lines 59-64).

Regarding **claim 16** as applied to claim 15, Hutchison further discloses wherein the data line is coupled to at least one edge driver, both at the MDEM end and at the card end (214, see fig. 2A, col. 6, lines 55-64).

Regarding **claim 17** as applied to claim 15, Hutchison further discloses wherein the positive and negative edge drivers are provided (214, see fig. 2A, col. 6, lines 55-64, col. 7, lines 23-38).

Regarding **claim 18** as applied to claim 15, Hutchison further discloses wherein only positive edge drivers are provided (214, see fig. 2A, col. 6, lines 55-64, col. 7, lines 23-38).

Regarding **claim 25** as applied claim 24, Hutchison further discloses wherein at least one edge driver is used for conditioning of the signal on the data line (data line 212, see fig. 2A, col. 6, lines 59-64).

Regarding **claim 26** as applied claim 25, Hutchison further discloses wherein the at least one edge driver can in each case be optimized to the clock rate of the data transmission by inserting a coupling capacitor (see fig. 2A and 3, col. 10, lines 1-29).

Regarding **claim 27** as applied claim 25, Hutchison further discloses wherein the interference voltage separation of the at least one edge driver can in each case be set, by means of a resistor (214, see figs. 2A and 2B, col. 6, lines 55-64, col. 7, lines 23-62).

Regarding **claim 28** as applied claim 25, Hutchison further discloses wherein the response threshold of the at least one driver can in each case be set or tuned by means of a resistor (214, see figs. 2A and 2B, col. 6, lines 55-64, col. 7, lines 23-62).

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kataoka et al 6,463,095 discloses an IC card radio modem and communication system using the same for communicating with a plurality of different infrastructures.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OLUMIDE T. AJIBADE AKONAI whose telephone number is (571)272-6496. The examiner can normally be reached on M-F, 8.30p-5p.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

OA

/Charles N. Appiah/  
Supervisory Patent Examiner, Art Unit 2617